

ADVANCE REGISTRATION

The Advance Registration fee is \$12.00 for Members of IEEE and \$16.00 for non-Members. Registration at the Conference is \$14.00 for Members of IEEE and \$18.00 for non-Members. The deadline for Advance Registration is November 23, 1970. A Conference Proceedings will be published shortly after the Conference and will be \$10.00 to Conference Registrants and IEEE Members and \$14.00 to all others.

I plan to attend the 1970 IEEE Conference on Display Devices.

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1970 IEEE Conference on Display Devices

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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERING, INC.

Presents the



1970 IEEE CONFERENCE on DISPLAY DEVICES PROGRAM

DECEMBER 2, 3, 1970

UNITED ENGINEERING CENTER
AUDITORIUM
345 EAST 47 STREET
NEW YORK CITY

1970 IEEE CONFERENCE ON DISPLAY DEVICES

PROGRAM

WEDNESDAY, DECEMBER 2, 1970

Registration: 8:00-9:30 AM

Welcome: 9:30 AM

Irving Reingold, U.S. Army Electronics
Command, *Conference Chairman*

Keynote Address

Harper Q. North, *Manager*, Electro-Optical
Department, Northrop Corporation

SESSION I (9:45-AM-12:00 NOON)

Chairman: **Louis N. Heynick**, Stanford Research
Institute

Invited Paper: DISPLAY REQUIREMENTS
FOR FUTURE MAN/MACHINE SYSTEMS:
Stephen W. Miller, Stanford Research Institute

ELECTRON BEAM IMAGE RECORDER:
P. A. Sullivan, Hughes Research Laboratory

SOLID STATE TARGET MONOSCOPE: **A.
Picker**, **H. Fiest**, **J. P. Clune**, Raytheon Com-
pany

A NEW FLAT PANEL ALPHANUMERIC
DISPLAY, THE DIGISPLAY: **W. Goede**, **J.
Gunther**, **L. Jefferies**, Northrop Corporation

LIQUID CRYSTAL DISPLAY DEVICES: **S.
Lu**, **D. Jones**, **L. Creagh**, Texas Instruments
Incorporated

LUNCH (12:00 NOON-1:45 PM)

SESSION II (1:45-4:30 PM)

Chairman: **Murray Kesselman**, Rome Air
Development Center

Invited Paper: LIGHT-EMITTING DIODES:
D. G. Thomas, Bell Telephone Laboratories

A GALLIUM PHOSPHIDE LIGHT-EMIT-
TING DIODE DESIGNED FOR HIGH VOL-
UME PRODUCTION: **W. D. Apgar**, **W. H.
Duft**, **H. E. Elder**, **P. E. Fraley**, Bell Telephone
Laboratories

EL PANEL DISPLAY: **A. Arai**, **T. Yoshizawa**,
K. Awazu, **K. Kurahashi**, **S. Ibuki**, Mitsubishi
Electric Corporation

Invited Paper: THE PLASMA DISPLAY
PANEL—PRINCIPLES AND PROSPECTS:
H. G. Slottow, Owens-Illinois, Inc.

A 60 LINE PER INCH PLASMA DISPLAY
PANEL: **H. J. Hoehn**, **R. A. Martel**, Owens-
Illinois, Inc.

SELECTION LIMITS IN MATRIX DIS-
PLAYS: **A. Sobel**, Zenith Radio Corporation

THURSDAY, DECEMBER 3, 1970

SESSION III (9:30 AM-12:00 NOON)

Chairman: **Sam Stone**, General Telephone &
Electronics Laboratories

Invited Paper: THE BUSINESS OF DISPLAYS:
Sidney Feinlieb, **Arthur D. Little**, Inc.

LUMATRON—A HIGH RESOLUTION STOR-
AGE AND PROJECTION DISPLAY DEVICE:
W. E. Glenn, **R. J. Doyle**, CBS Laboratories

ORIENTATION AND THICKNESS DE-
PENDENCE OF CONTRAST AND BRIGHT-
NESS IN $Gd_2(MoO_4)_3$ LIGHT VALVES: **A. R.
Kmetz**, Texas Instruments Incorporated

THE LASER-PHOTOCHROMIC LARGE
SCALE DISPLAY: **C. M. Whitby**, Singer-
General Precision, Inc.

SOLID STATE LIGHT VALVE: **C. J. Salvo**,
Rome Air Development Center

A WIDE VIEWING ANGLE MAGNETO
OPTIC DISPLAY: **R. E. Glusick**, **M. Fine**,
General Electric Company

LUNCH (12:00 NOON-1:45 PM)

SESSION IV (1:45 PM-4:00 PM)

Chairman: **G. E. Pokorny**, Litton Industries
Electron Tube Division

Invited Paper: THE CATHODE RAY TUBE—
A REVIEW OF CURRENT TECHNOLOGY
AND FUTURE TRENDS: **Peter Seats**, Thomas
Electronics, Inc.

PHOSPHORS FOR CURRENT-SENSITIVE
SINGLE-GUN POLYCHROMATIC CATH-
ODE RAY TUBES: **F. J. Avella**, General
Telephone & Electronics Laboratories

EVALUATION OF CURRENT-SENSITIVE
COLOR CRT SCREENS: **T. E. Sisneros**,
General Telephone & Electronics Laboratories

THE KODUCTOUR: **C. Burrowes**, Burrowes
Research Company

ENERGY TRANSFER IN A FIBER-OPTIC
ULTRAVIOLET CATHODE RAY TUBE: **J. J.
Pucilowski**, **E. Schlam**, U.S. Army Electronics
Command

A Dutch Treat Cocktail Party will be held
at the New York University Club after
Session II on Wednesday, December 2, 1970.
The Club is located at 123 West 43 Street.